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NOTICE OF ALLOWANCE AND FEE(S) DUE

26263

7590

04/20/2009

SONNENSCHEIN NATH & ROSENTHAL LLP P.O. BOX 061080 WACKER DRIVE STATION, SEARS TOWER CHICAGO, IL 60606-1080 EXAMINER

FLOHRE, JASON A

ART UNIT PAPER NUMBER

2622

DATE MAILED: 04/20/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/571,720	03/13/2006	Tetsuo Nomoto	97929096653	7788

TITLE OF INVENTION: SOLID-STATE IMAGING DEVICE AND CAMERA SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	07/20/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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CURRENT CORRESPOND	ENCE ADDRESS (Note: Use Bi	lock 1 for any change of address)	Feet	c) Transmittal This	certificate cannot be used	or domestic mailings of the for any other accompanying ent or formal drawing, must
26263		0/2009			ificate of Mailing or Trans	
P.O. BOX 0610 WACKER DRI	VE STATION, SEA		I he State addr trans	reby certify that thi	s Fee(s) Transmittal is bein ith sufficient postage for fir	g deposited with the United st class mail in an envelope above, or being facsimile late indicated below.
CHICAGO, IL 6	60606-1080					(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/571,720	03/13/2006	•	Tetsuo Nomoto		97929096653	7788
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	07/20/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS			
FLOHRE,	JASON A	2622	348-294000			
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 			2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.			
PLEASE NOTE: Un recordation as set fort (A) NAME OF ASSI	less an assignee is ident h in 37 CFR 3.11. Comj GNEE	ified below, no assignee pletion of this form is NO	T a substitute for filing an (B) RESIDENCE: (CITY	atent. If an assigne assignment. and STATE OR C	OUNTRY)	document has been filed for
Please check the appropr	riate assignee category or	r categories (will not be pr	rinted on the patent):	Individual 🖵 Co	rporation or other private gr	oup entity Government
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5. Change in Entity Sta	itus (from status indicate as SMALL ENTITY state	*	☐ b. Applicant is no lone	per claiming SMAI	L ENTITY status. See 37 C	FR 1.27(g)(2)
NOTE: The Issue Fee an	d Publication Fee (if req		d from anyone other than t			he assignee or other party in
				Data		_
Authorized Signature Typed or printed name					0.	
This collection of information is required by 37 CFR 1.311. The informati						
an application. Confiden submitting the complete this form and/or suggest	tiality is governed by 35 d application form to the ions for reducing this bu /irginia 22313-1450. DC	5 U.S.C. 122 and 37 CFR c USPTO. Time will vary rden, should be sent to th	1.14. This collection is est depending upon the indivite Chief Information Office	imated to take 12 n idual case. Any cor cr. U.S. Patent and 1	ninutes to complete, including mments on the amount of ti Frademark Office, U.S. Der	a by the USPTO to process) ng gathering, preparing, and me you require to complete partment of Commerce, P.O. for Patents, P.O. Box 1450,

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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26263 75	26263 7590 04/20/2009			EXAMINER		
SONNENSCHEI	N NATH & ROSEN	FLOHRE,	JASON A			
P.O. BOX 061080 WACKER DRIVE STATION, SEARS TOWER CHICAGO, IL 60606-1080			ART UNIT	PAPER NUMBER		
			2622 DATE MAIL ED: 04/20/200	9		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 514 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 514 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/571,720	NOMOTO ET AL.	
Notice of Allowability	Examiner	Art Unit	
	IASON ELOUDE	4112	
	JASON FLOHRE	4112	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED i or other appropriate comm IGHTS. This application is	n this application. If not included unication will be mailed in due course. THI	
1. \boxtimes This communication is responsive to <u>amendment filed 03/0</u>	<u>09/2009</u> .		
2. \boxtimes The allowed claim(s) is/are 2,5,6 and 9 renumbered as 1-4	respectively.		
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 	e been received.	•	
2. Certified copies of the priority documents have	• • • • • • • • • • • • • • • • • • • •		
3. Copies of the certified copies of the priority do	cuments have been receive	d in this national stage application from the	е
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) \square including changes required by the Notice of Draftspers	on's Patent Drawing Revie	w (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	•		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment o	r in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Ir	formal Patent Application	
2. \square Notice of Draftperson's Patent Drawing Review (PTO-948)		ummary (PTO-413),	
3. Information Disclosure Statements (PTO/SB/08),	Paper No. 7. ⊠ Examiner's	/Mail Date Amendment/Comment	
Paper No./Mail Date 4.	8.	Statement of Reasons for Allowance	
or biological material	9. 🗌 Other	<u>_</u> .	
/Tuan V Ho/			
Primary Examiner, Art Unit 2622			

DETAILED ACTION

Allowable Subject Matter

Claims 2, 5, 6 and 9 are allowed.

Claim 2 is allowable because prior art fails to teach a solid state imaging device with a unit pixel having: at least one of a plurality of potentials supplied to a gate electrode of the reset transistor being a negative potential, wherein, the device has a portion able to set the gate potential when bringing the reset transistor from an on state to an off state at a negative power source potential after passing a ground level power source potential from a positive high level power source potential, in combination with the other elements of the claim.

Claim 9 is allowable because prior art fails to teach a camera system having: at least one of a plurality of potentials supplied to a gate electrode of the reset transistor being a negative potential, wherein, the device has a portion able to set the gate potential when bringing the reset transistor from an on state to an off state at a negative power source potential after passing a ground level power source potential from a positive high level power source potential, in combination with the other elements of the claim.

Response to Arguments

Applicant's arguments filed 09 March 2009 have been fully considered and are persuasive.

The objections to the specification and the drawings have been withdrawn in view of the new specification and drawings submitted 09 March 2009.

The rejections for claims 1, 3, 4, 7, and 8 have been withdrawn in view of the cancellation of said claims.

Conclusion

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JASON FLOHRE whose telephone number is (571)270-7238. The examiner can normally be reached on Monday to Thursday 8:00 AM to 5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh Tran can be reached on 517-272-7564. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/571,720 Page 4

Art Unit: 4112

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Tuan V Ho/ Primary Examiner, Art Unit 2622

/JAF/